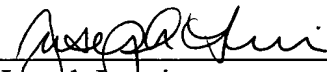


Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

Date: 3/1/01



Joseph Ducci
Registration No. 33,307

WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100

09/786176

VERSION WITH MARKINGS TO SHOW CHANGES MADE 1602 Rec'd PCT/PTO 01 MAR 2001

8

Claims:-

1. A method of sensing the concentration of an oxidising gas in a gas mixture using a semiconductor gas sensor having a resistivity sensitive to the oxidising gas, which comprises increasing the sensor operating temperature to a first temperature to allow the sensor surface to reset then decreasing the sensor operating temperature to a second temperature and analysing the resultant resistance of the sensor at the second temperature.

2. A method according to claim 1 in which the first temperature is 400 to 800°C and the second temperature is 200 to 500°C.

3. A method according to claim 1 [or 2] wherein the sensor resistance is analyzed as a function of time.

4. A method according to [any preceding] claim¹ in which the oxidising gas is NO₂, NO, Cl₂, or O₃.

5. A method according to [any preceding] claim¹ in which the sensor is a layer of WO₃, In₂O₃, MoO₃ or SnO₂.

6. A method according to claim 5 wherein the sensor is a layer of WO₃ and the oxidising gas is O₃.

7. A method according to claim 2 wherein the sensor resistance is analyzed as a function of time.

AMENDED SHEET